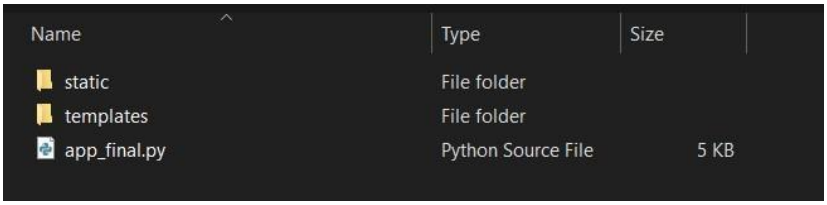
Practical-5
Deployment of ML project using Flask.

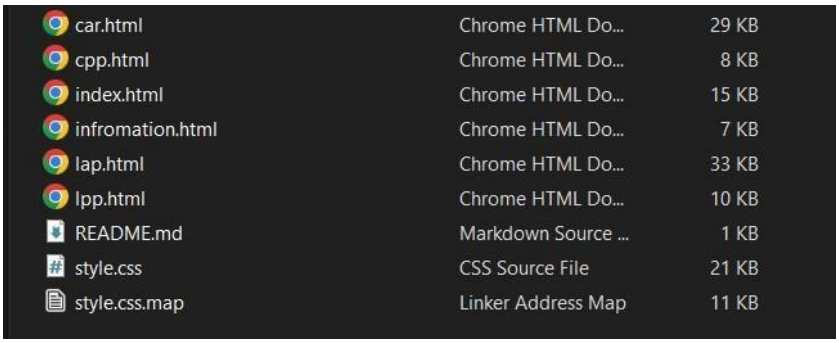
Task 1: Install the required libraries

pip install Flask

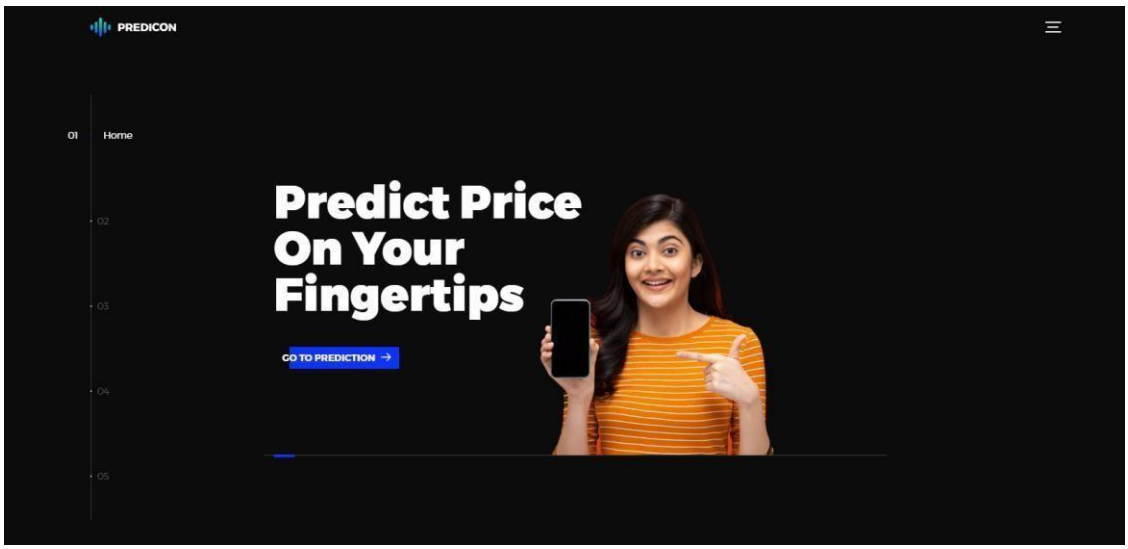
Task 2: Follow the steps described in theory material to deploy the model using Flask. Run the flask application to execute the deployed model.

Step :1 Create Templates

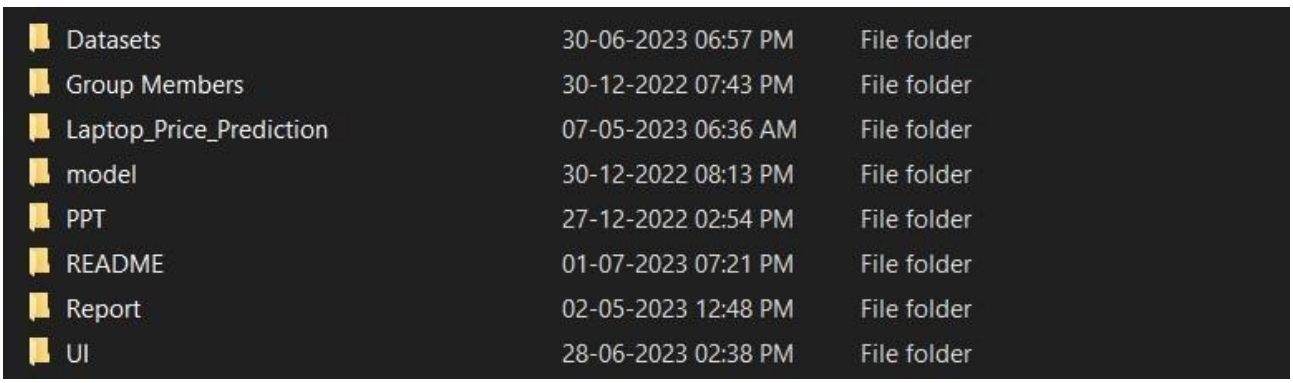




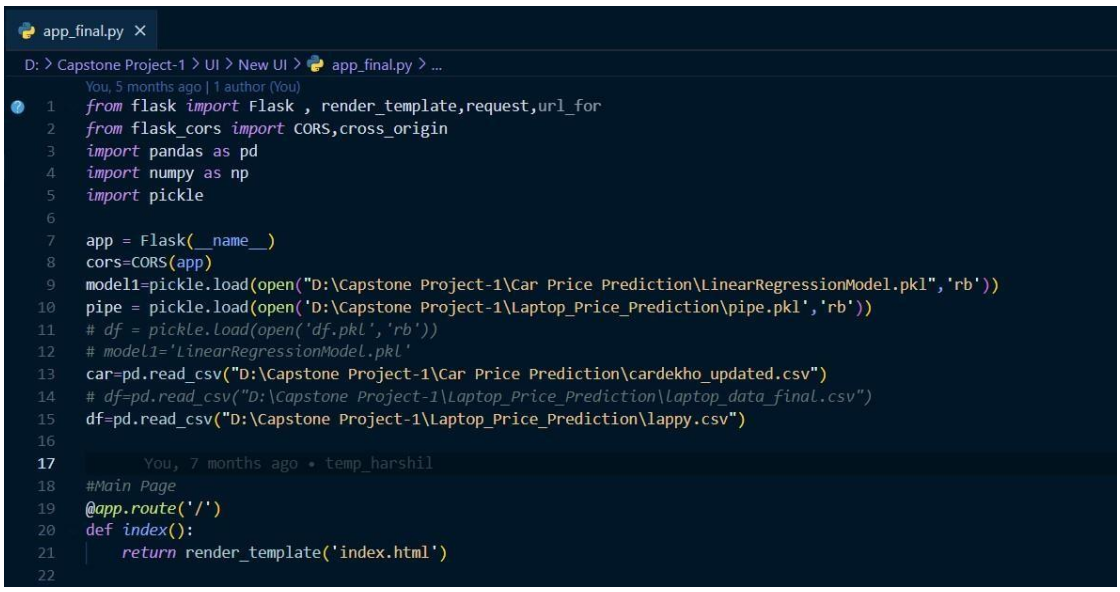
User Interface :



Step: 2 Import the Model, Dataset, and Scalar objects into the project folder.



Step: 3 Create the app.py file to serve the deployment



Code : app.py

```
from flask import Flask , render_template,request,url_for  from
flask_cors import CORS,cross_origin
import pandas as pd import numpy as np
import pickle


app = Flask(__name__) cors=CORS(app)  model1=pickle.load(open("D:\Capstone
Project-1\Car Price
Prediction\LinearRegressionModel.pkl",'rb'))

car=pd.read_csv("D:\Capstone Project-1\Car Price Prediction\cardekho_updated.csv")

#Main Page
@app.route('/') def index():     return render_template('index.html')


#Car Price Prediction
@app.route('/cpp') def cpp():
   #model=sorted(car['full_name'].unique())     car_models=sorted(car['full_name'].unique())
companies=(car['company'].unique())
   transmission_type=sorted(car['transmission_type'].unique())
year=sorted(car['year'].unique(),reverse=True)     fuel_type=car['fuel_type'].unique()
km_driven=(request.form.get('km_driven'))

   return
render_template('car.html',companies=companies,car_models=car_models,transmission_type=trans
mission_type, year=year, fuel_type=fuel_type,km_driven=km_driven)
```

```
if __name__=="__main__":
app.run(debug=True)
```

Output :